

**Section 74.1204 - Statement of Compliance**  
**W300DX, Leland, NC**  
**FM Translator Facility ID. 202676**  
**March, 2021**

The Applicant proposes a minor modification to the above-referenced, non-reserved band, FM translator authorization. Specifically, the applicant proposes herein to relocate the translator, increase antenna height and decrease power. No further changes are proposed herein.

Section 74.1204(a) Contour Overlap Protection Criteria

Attached is a map (Exhibit 1) which demonstrates that proposed technical facility complies with the contour overlap provisions of Section 74.1204(a) of the FCC Rules with respect to all pertinent cochannel assignments, authorizations and applications. The instant proposal is well clear of all other relevant cochannel, first, second and third-adjacent channel protection considerations not represented herein.



## Section 74.1204 CoChannel Contour Overlap Study

Exhibit 1 March, 2021

- W300DX.APP (300)
- WNCT-FM (300)
- WGTR (300)

### W300DX.APP

Leland, NC  
Latitude: 34-15-03.39 N  
Longitude: 078-00-43.03 W  
ERP: 0.15 kW  
Channel: 300  
Frequency: 107.9 MHz  
AMSL Height: 160.3 m  
Horiz. Pattern: Omni

### Section 74.1204 Contours

Proposed FX Interfering Contour (DASHED):  
40 dBu F(50,10) to Class A & FX & LPFM  
40 dBu F(50,10) to Class C, C0, C1, C2, C3  
37 dBu F(50,10) to Class B1 FM Station  
34 dBu F(50,10) to Class B FM Station

Relevant Protected Contours (SOLID):  
Class A, C, Cx, FX & LPFM = 60 dBu F(50,50)  
Class B1 FM Station = 57 dBu F(50,50)  
Class B FM Station = 54 dBu F(50,50)

Scale 1:1,462,500

